

Notice of Allowability

Application No.

09/727,191

Examiner

LaShonda T. Jacobs

Applicant(s)

BRACEWELL ET AL.

Art Unit

2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to September 14, 2005.
2. ☒ The allowed claim(s) is/are 1,3-7,10-15,18-22,24-38,40 and 41.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

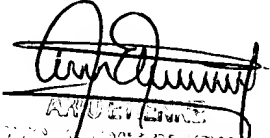
* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


LA SHONDA T. JACOBS
EXAMINER

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Himanshu Amin Reg. No. 40,894 on December 14, 2005.

The application has been amended as follows:

IN THE CLAIMS

Please amend claims 22, 36, 38, 40 and 41 as follows:

22. (Currently Amended) A computer implemented method for facilitating remote access to an application, the access occurring across a stateless protocol, comprising the following computer executable acts:

- allocating memory to cache at least one of state and user specific information associated with the remote access;
- caching the state information associated with the remote access of the application in the allocated memory;

- caching the user specific information associated with the remote access of the application in the allocated memory;
- monitoring feedback information concerning usage of memory allocated to cache at least one state and user specific information associated with the remote access; wherein additional memory is allocated to cache the at least one state and user specific information associated with the remote access when the feedback information indicates that the allocated memory has been utilized more than a pre-determined threshold level; and
- selectively reclaiming the memory allocated to cache the at least one of state and user specific information associated with the remote access, the reclaiming occurring upon the allocated memory not being accessed within a pre-determined period of time, the pre-determined period of time being dynamically changed based, at least in part, on feedback concerning the allocation of memory.

36. (Currently Amended) A computer readable medium storing computer executable components of a system to facilitate a remote user accessing an application across a stateless protocol, the components including a component for caching data associated with the remote user access, the data comprising:

- at least of one state and user specific information, the components including a component for selectively reclaiming the memory allocated to cache at least one state and user specific information associated with the remote access, the reclaiming occurring upon allocated memory not being accessed within a pre-determined period of time, the pre-determined period of time being dynamically changed based, at least in

part, on feedback concerning the allocation of memory, the components including a monitoring component that provides feedback information concerning usage of memory allocated to cache the at least one state and user specific information associated with the remote access; wherein additional memory is allocated to cache the at least one state and user specific information associated with the remote access when the feedback information indicates that the allocated memory has been utilized more than a predetermined threshold level.

38. (Currently Amended) A computer readable medium storing computer executable instructions operable to execute a method for facilitating remote access to an application, the access occurring across a stateless protocol, the method comprising the following computer executable acts:

- allocating memory to cache at least one of state and user specific information associated with the remote access;
- caching the state information associated with the remote access of the application in the allocated memory;
- caching the user specific information associated with the remote access of the application in the allocated memory;
- monitoring feedback information concerning usage of memory allocated to cache at least one state and user specific information associated with the remote access; wherein additional memory is allocated to cache the at least one state and user specific information associated with the remote access when the feedback information indicates

that the allocated memory has been utilized more than a pre-determined threshold level;
and

- selectively reclaiming the memory allocated to cache the at least one of state and user specific information associated with the remote access, the reclaiming occurring upon the allocated memory not being accessed within a pre-determined period of time, the pre-determined period of time being dynamically changed based, at least in part, on feedback concerning the allocation of memory.

40. (Currently Amended) The computer readable medium of claim 38 [[39]], further including computer executable instructions operable to dynamically reallocate resources to or from one or more user context objects based, at least in part, on feedback information received from one or more monitoring components.

41. (Currently Amended) A computer executable system managing information in an application accessed via a stateless protocol, comprising:

- computer implemented means for allocating memory to store at least one state and user specific information associated with a remote user access of an application, the application being accessed via a stateless protocol;
- computer implemented means for caching, in the allocated memory, state information associated with the remote access of the application;
- computer implemented means for caching, in the allocated memory, user specific information associated with a remote accessor of the application;
- computer implemented means for locating the at least one state and user specific information cached in the allocated memory;

- computer implemented means for monitoring feedback information concerning usage of memory allocated to cache at least one state and user specific information associated with the remote access; wherein additional memory is allocated to cache the at least one state and user specific information associated with the remote access when the feedback information indicates that the allocated memory has been utilized more than a pre-determined threshold level; and
- computer implemented means for reclaiming the memory allocated when the memory has not been accessed within a pre-determined period of time, the predetermined period of time being dynamically changed based, at least in part, on feedback concerning the allocation of memory.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance: the closest prior art of record Courts et al (U.S. Pat. No. 6,076,108), Hayton (U.S. Pat. No. 6,799,209) and Gibbons et al (U.S. Pat. No. 5,689,696) does not teach or suggest monitoring feedback information concerning usage of memory allocated to cache at least one state and user specific information associated with the remote access; wherein additional memory is allocated to cache the at least one state and user specific information associated with the remote access when the feedback information indicates that the allocated memory has been utilized more than a pre-determined threshold level in combination with all the elements of the independent claims.
3. The dependent claims further limit the independent claims and are considered allowable on the same basis as the independent claims as well as the for the further limitations set forth.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee.

Such submissions should clearly labeled "Comments on Statement of Reasons for Allowance."

4. Claims 1, 3-7, 10-15, 18-22, 24-38, 40 and 41.

Conclusion

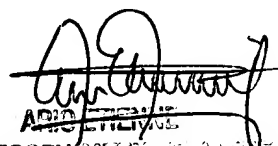
Any inquiry concerning this communication or earlier communications from the examiner should be directed to LaShonda T. Jacobs whose telephone number is 571-272-4004. The examiner can normally be reached on 8:30 A.M.-5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LaShonda T Jacobs
Examiner
Art Unit 2157

ltj
December 16, 2005


ARIO ETIENNE
SUPERVISORY PATENT EXAMINER